

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A trackable optical disc, comprising:
a first reflective surface comprising a wobble groove trackable by an optical disc reader; and
a plurality of analyte-specific signal elements disposed readably with said wobble groove, said plurality of analyte-specific signal elements arranged in a pattern to thereby function as encoded data,
wherein said plurality of analyte-specific signal elements are disposed substantially confocally with said wobble groove such that they are readable by an optical head of the optical disc reader concurrently with said wobble groove.
2. (Previously Presented) The trackable optical disc of claim 1 wherein said plurality of analyte-specific signal elements and said wobble groove are disposed to produce a signal readable by a single optical pickup of the optical disc reader.
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Previously Presented) The trackable optical disc of claim 1 wherein said wobble groove is radially disposed.
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)

4 ~~18.~~ (Previously Presented) The trackable optical disc of claim 1 wherein said plurality of analyte-specific signal elements are disposed with said wobble groove such that a signal from an analyte-specific signal element of said plurality of analyte-specific signal elements is detectable as an amplitude variation in an HF signal generated by tracking said wobble groove with a laser from an optical disc reader reading said optical disc.

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Canceled)

5 ~~25.~~ (Previously Presented) The trackable optical disc of claim 1 further comprising a first solid substrate, said first reflective surface and said wobble groove being disposed upon the same side of said first solid substrate.

26. (Canceled)

27. (Canceled)

6 ~~28.~~ (Previously Presented) The trackable optical disc of claim ~~25~~ wherein said plurality of analyte-specific signal elements are disposed on said first reflective surface of said disc substrate on the side of said first reflective surface opposite of said first solid substrate.

29. (Canceled)

30. (Canceled)

7 ~~31.~~ (Previously Presented) The trackable optical disc of claim ~~28~~ further comprising a light transmissible coating applied to said first reflective surface opposite of said first solid substrate, wherein said plurality of analyte-specific signal elements are disposed upon said light transmissible coating on the side of the light transmissible coating opposite to said first reflective surface.

8 ~~32.~~ (Previously Presented) The trackable optical disc of claim 1 wherein said first reflective surface holographically projects a readable image of said wobble groove when illuminated.

33. (Canceled)

34. (Canceled)
35. (Withdrawn) An optical disc assembly having readable nonoperational data, comprising:
a trackable optical disc according to claim 1, and
a laser-refracting cover;
wherein said cover further focuses the laser of said optical disc reader on said disc's first reflective surface.
36. (Previously Presented) An optical disc assembly, comprising:
a trackable optical disc according to claim 1; and
a laser-refracting cover attached to said optical disc that focuses light from a laser of said optical disc reader on said first reflective surface of said trackable optical disc.
37. (Canceled)
38. (Withdrawn) The optical disc assembly of claim 35, wherein said cover is nonintegral to said disc and attachable thereto.
39. (Withdrawn) The optical disc assembly of claim 38, wherein said cover is reversibly attachable to said disc.
40. (Withdrawn) The optical disc assembly of claim 35, wherein said cover is moveably attached to said disc.
41. (Withdrawn) The optical disc assembly of claim 40, wherein said cover is hingeably attached to said disc.
42. (Withdrawn) The optical disc assembly of claim 35, wherein said cover consists essentially of a material selected from the group consisting of plastic and glass.
43. (Withdrawn) The optical disc assembly of claim 42, wherein said cover consists essentially of plastic.
44. (Withdrawn) The optical disc assembly of claim 43, wherein said cover consists essentially of polystyrene.
45. (Withdrawn) The optical disc assembly of claim 43, wherein said cover consists essentially of polycarbonate.
46. (Withdrawn) The optical disc assembly of claim 35, wherein said assembly has a radial diameter between 110 - 130 mm and a depth between 1.1 - 1.3 mm.

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84. (Withdrawn) The ~~method~~ of claim 83, wherein said nonoperational feature is disposed laser-proximal to said wobble groove.

85. (Canceled)

86. (Canceled)

9 ~~87.~~ (Previously Presented) The trackable optical disc of claim 1 wherein said analyte-specific signal element includes an antibody.

10 ~~88.~~ (Previously Presented) The trackable optical disc of claim 1 wherein said analyte-specific signal element includes a nucleic acid.

11 ~~89.~~ (Previously Presented) The trackable optical disc of claim 1 wherein said analyte-specific signal element is a cell.

90. (Canceled)

91. (Canceled)

92. (Withdrawn) The ~~method~~ of any one of claims 68-77, wherein said nonoperational feature is an analyte-specific signal element.